Elbit systems' total border security solutions

prevent intrusion, smuggling and illegal activities

Today's global scenario is a dynamic one. While geopolitical changes are essentially "redrawing" the world map, smugglers, intruders and other illegal activities are becoming an increasing concern to many countries. As a result they are devoting substantial manpower and resources to Border Security.
Sophisticated Border Security Systems are the most cost-effective solution and provide optimal anti-threat measures and detection capabilities.

Instant detection and rapid response are the keys to the most effective border defense. And the best way to achieve them is through deployment of Elbit Systems' multi-sensor, early warning Border Security System.
The system performs continuous monitoring and surveillance of potentially suspect infiltrators within a given time frame, preventing their entry into National Territory.

These multi-sensor systems are no longer an option, but an essential to assure:

- Early Warning
- Remote and on-border detection
- Identification of illegal activities
- Classification and situation assessment by transforming raw data into essential information
- Interception of potential intrusions
- Engagement

Elbit Systems' Border Security capabilities encompass solutions ranging from basic to multi-sensor systems, from doctrines to Integrated Logistics Support, throughout the system life-cycle.

These multi-sensor systems provide a full arsenal of advantages to deal with all types of scenarios.

The Border Security System consists of early warning sensors such as ground surveillance radar, thermal imaging systems, day and night observation systems, mobile patrols and unmanned local support means. All these are integrated by command and control centers in a situation picture enabling effective economical use of response and intervention forces.

Together, they provide the means for methodical and systematic prevention of illegal or hostile infiltration.

Elbit Systems' Border Security Solutions are well balanced with different measures and technologies to assure optimal Border Security.

Major Border Security System Elements

Ground Surveillance Radar (GSR)

Detects infiltrators trying to cross into protected territory and provides:

- Comprehensive data on presence and deployment of adversaries and infiltrators
- Continuous early warning
- Reliable intelligence for immediate action

Long Range Observation System

- Electro-optical observation provides long range day and night detection and identification of targets
- Combines long range TV for day and night image intensification
- Thermal Imaging for day/night and reduced visibility
- Provides operator with picture or image of detected target
- Based on Elbit Systems extensive knowledge and experience in the field of night vision and surveillance utilizing state-of-the-art technologies

Observation Posts (Fixed or Mobile)

- Deployed along the border at specific sectors requiring special attention
- Located in topographic location that provides optimal sector coverage
- Equipped with various means and equipment according to location and system configuration

Mobile Observation Unit

HQ Surveillance Console

Surveillance Platforms

- From space vehicles, aircraft reconnaissance pods and UAVs to land and marine platforms for optimal, highly efficient coverage
- Complete vehicle, payload communication and ground station packages

Mobile Observation Tower

Electronic Fence

- Either concealed underground or true physical barrier which will provide alarm in case of intrusion by indicating the exact sector of intrusion
- Can be added selectively at specific sectors to serve as an additional delaying element

Communications

Special purpose tactical networks deployment, satellite and microwave links, LAN, WLAN, WAN solutions — everything necessary for optimal connectivity

Response and Intervention Forces

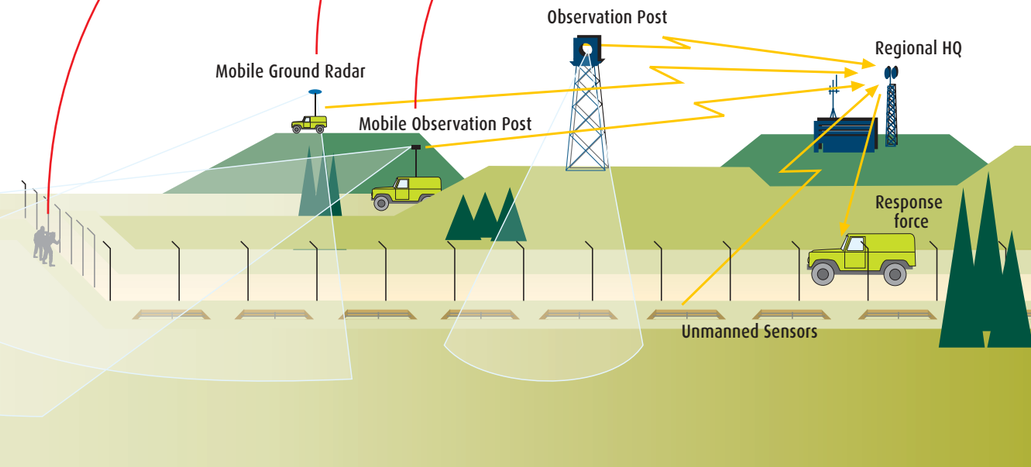
- Border Patrol Forces, mobile and stationary Intervention & Interception units, equipped with Elbit Systems devices
- Directed by observation/surveillance posts and HQs

Special Forces

As a defense and security contractor, Elbit Systems solutions include Special Forces building, equipment and training — high level skills that complement high tech solutions

Command, Control & Communication

- Based on Elbit Systems state-of-the-art C^3 systems connecting all system elements
- HQ will receive information from various sensors and forces of the Border Security System.
- Data will be processed and a common real time tactical situation picture displayed
- Allows commanders full control over mobile and stationary forces along the border.



Count on Elbit Systems for Total Security

Backed by across-the-board expertise in a wide array of military technologies and over thirty years of experience in design and manufacture of defense electronics and electro-optics, Elbit Systems offers police and armed forces, security personnel, border and coast guards innovative means to increase effectiveness in monitoring vital borders, high risk installations, military bases, airports, seaports and other sensitive areas.

Elbit Systems Border Security concept relies on the company's experience and extensive product line that includes air, ground and naval C^3 Electro-optical Observation and Image Processing systems,

The Border Security System is part of a total security solution that includes simple-to-sophisticated configurations tailored to answer the customer's operational requirements. The system is based on existing common building blocks to ensure minimum risk and the most cost-effective solution.

After listening to customer input, Elbit Systems experts will analyze the arena and threats and customize a Border Security System keeping pace with today's technologies and tomorrow's mounting threats.

Take advantage of our experience in Border Security. Get together with Elbit Systems and enter an alliance enjoyed by military and civilian markets all over the globe.

ELBIT SYSTEMS LTD Advanced Technology Center,
P.O.Box 539, Haifa 31053, Israel Tel: 972-4-8315315 Fax: 972-4-8550002
Website: http://www.elbit.co.il Email: elbit-systems@elbit.co.il

Design: Studio Zamir Ltd

EP02-MKT-014

BORDER SECURITY SYSTEMS

Multi-Layered Systems for the Multi-Threat Environment

C⁴ISR SYSTEMS